

Congress Parkway over South Branch of the Chicago River



Illinois Department
of Transportation

Congress Parkway

Built in 1956

IDOT owns 10 movable bridges

Chicago owns 37 movable bridges

Trunion Bridge: A trunion bridge is a style of movable bridge that rotates about a fixed point.

Repairs

1981 New grid deck

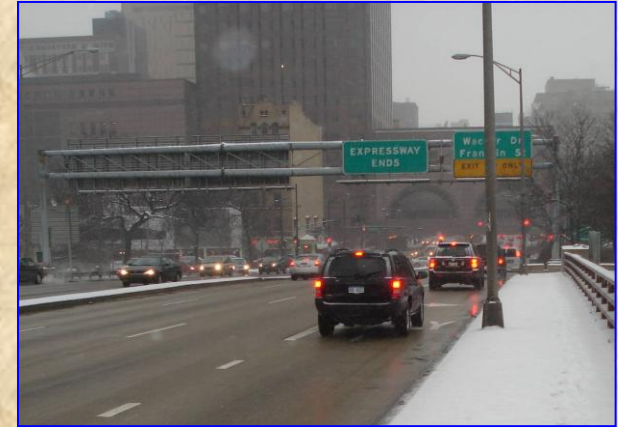
1997 Steel Repairs

2002 Bridge Paint

OVERVIEW

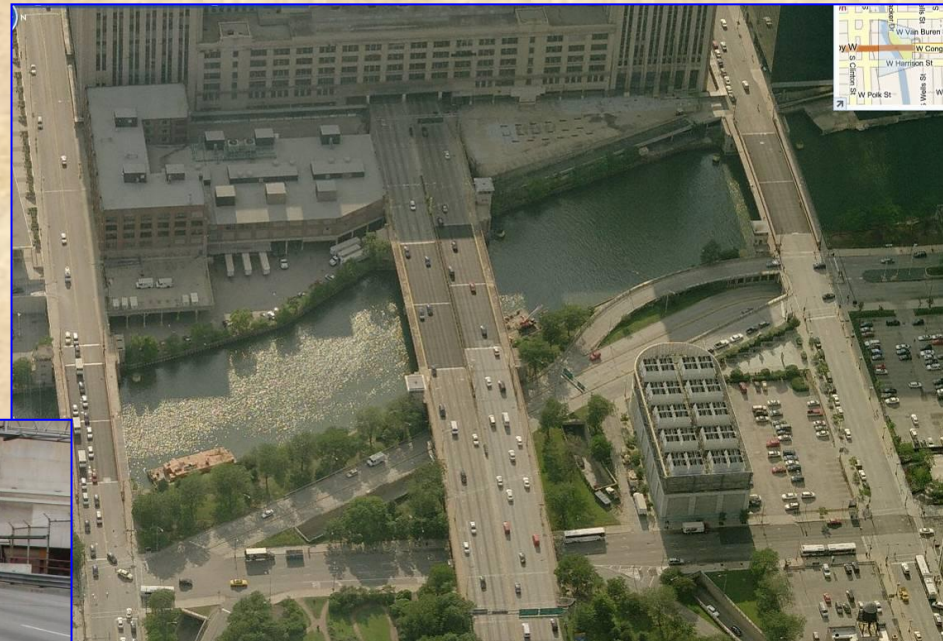
Rehabilitation Issues

- Bridge Rehabilitation
- Two Bridges (one/year)
- Narrow Bridge/Lane Widths
- Post Office Constraint
- Boat Traffic



Operational Concerns

- Inbound High Speeds
- Traffic / Ramp Volumes
- EB Spill-Over onto I-290
- Event Traffic Dispersion
- Incident Management



Alternate Routes

- Inbound / Outbound
- Peak Hours

Project Purpose & Need, Scope & Schedule

Purpose & Need of Project

- Improve Bridge Condition & Load Rating
- Improve Public Safety (skid reduction, delineate lanes, off-road crash mitigation (F-shape), lighting, surveillance, etc.

Scope of Work

- Rehab Bascule Bridge structural, electrical and mechanical
- Replace open grid deck with closed deck system w/skid resistant surface

General Schedule – Two Construction Seasons

- EB (Inbound) Bascule Bridge - April 2010 to October 2010
- WB (Outbound) Bascule Bridge - April 2011 to October 2011

Congress Parkway Bridge

Considerations:

- Rehab work with bridge in open position
- Speed Limits - Inbound Freeway Speeds 35 MPH
- Traffic Volumes (139,000 ADT)
- Lane widths on Bascule Bridge (4 lanes – 43 feet face to face)
- Lane widths under Old Post Office (4 lanes - 38 feet wide/portal)
- Distance between Post Office and Bridge < 200 feet

Advance Work

Advance Work

- Dolphin Replacement (in-stream work)
- Alternate Route Patching Contract
- Traffic Signal Modification Contract
 - Wacker Drive at Monroe Street
 - Wacker Drive at Adams Street
- Van Buren at Canal Street Modification
- Traffic Signal Timing Modifications
- Public Outreach
 - Brochures
 - News Releases
 - Radio / TV
 - Motorists Advance Signing / CMS
 - IDOT Website

Coordination

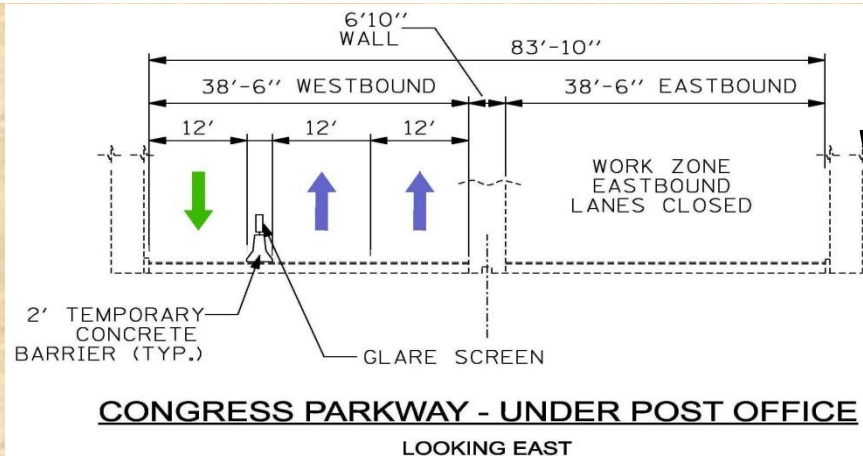
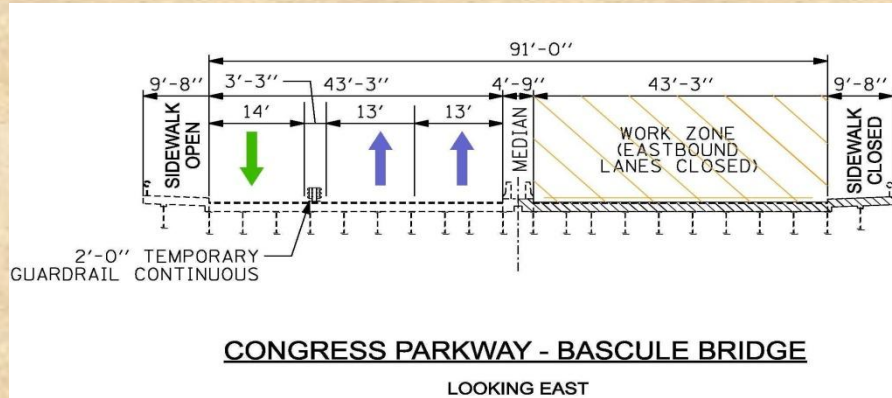
Coordinated with:

- City of Chicago
- Chicago Department of Transportation (CDOT)
- Office Of Emergency Management and Communications (OEMC)
- Emergency Services
- Emergency Traffic Patrol (ETP)
- Federal Highway Administration (FHWA)
- State Police
- Coast Guard
- Corp of Engineers
- Public / Business
- Others within Corridor

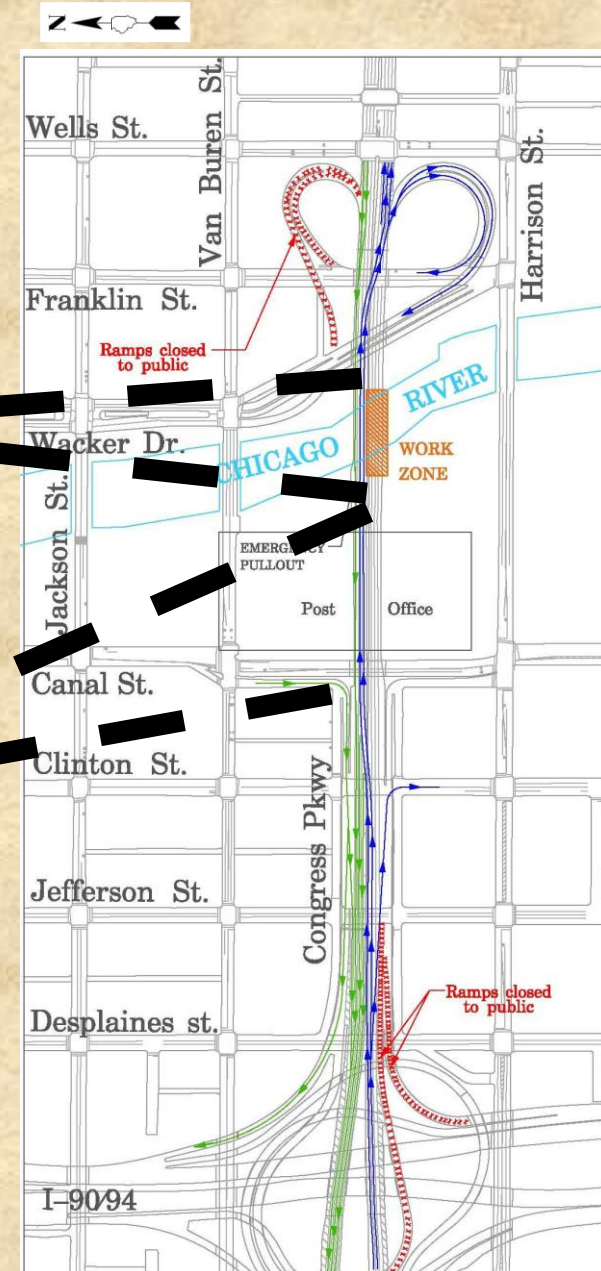


Traffic Control Plan STAGE I

APRIL 2010 - OCTOBER 2010



2 LANES INBOUND
1 LANE OUTBOUND



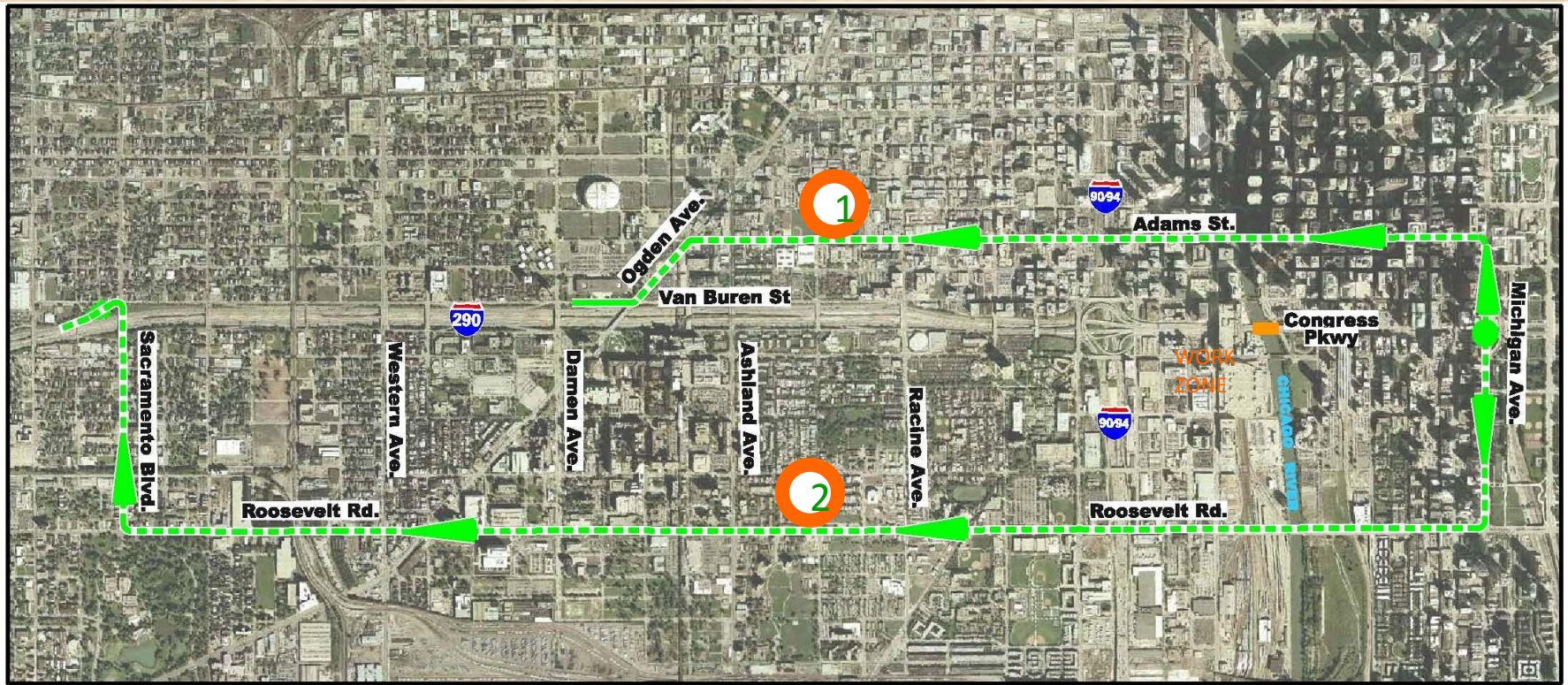
Congress Parkway Alternate Routes

Congress Parkway Bascule Bridge Project Alternate Routes:

- Outbound/WB Alternate Routes – Roosevelt Road & Adams Street
- Inbound/EB Alternate Routes – Roosevelt Road & Warren/ Washington Street.

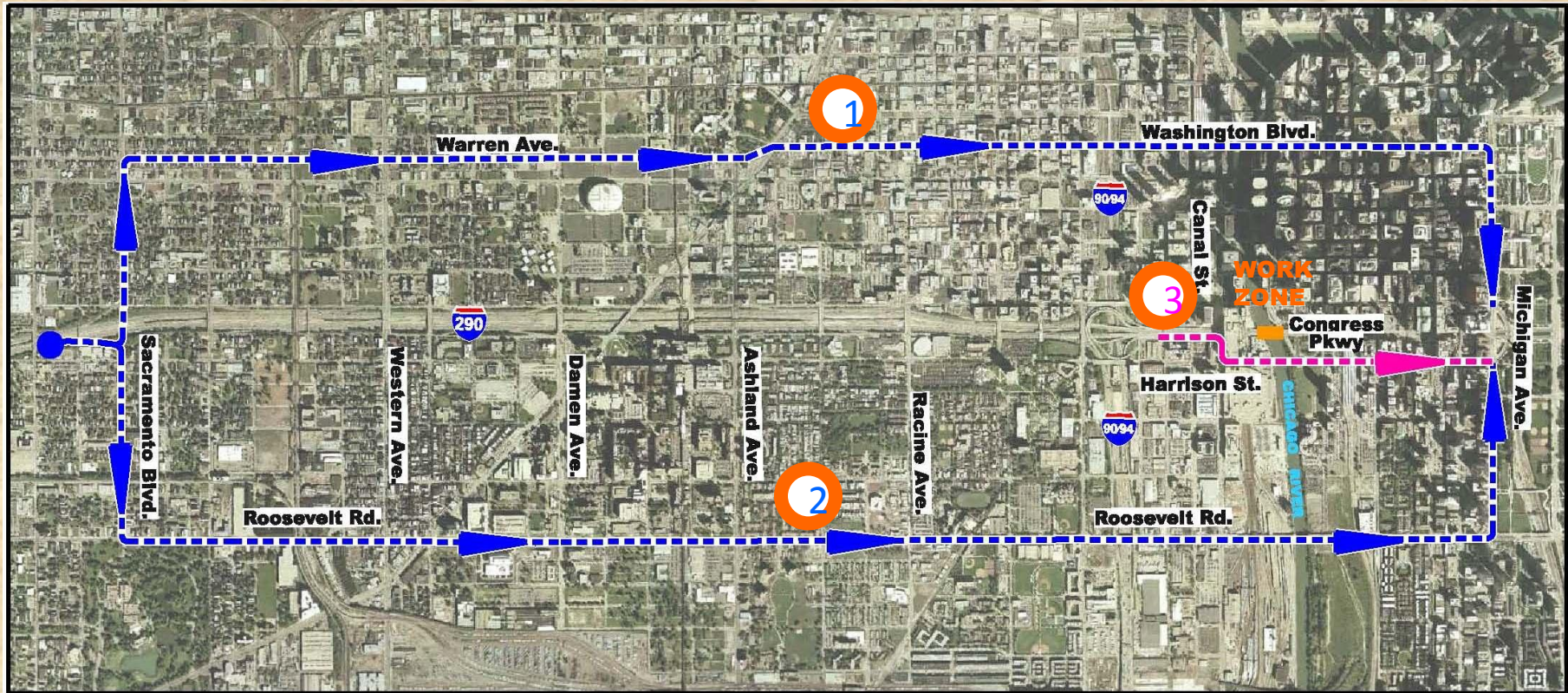
Alternate Routes

Stage I & II Outbound ← -



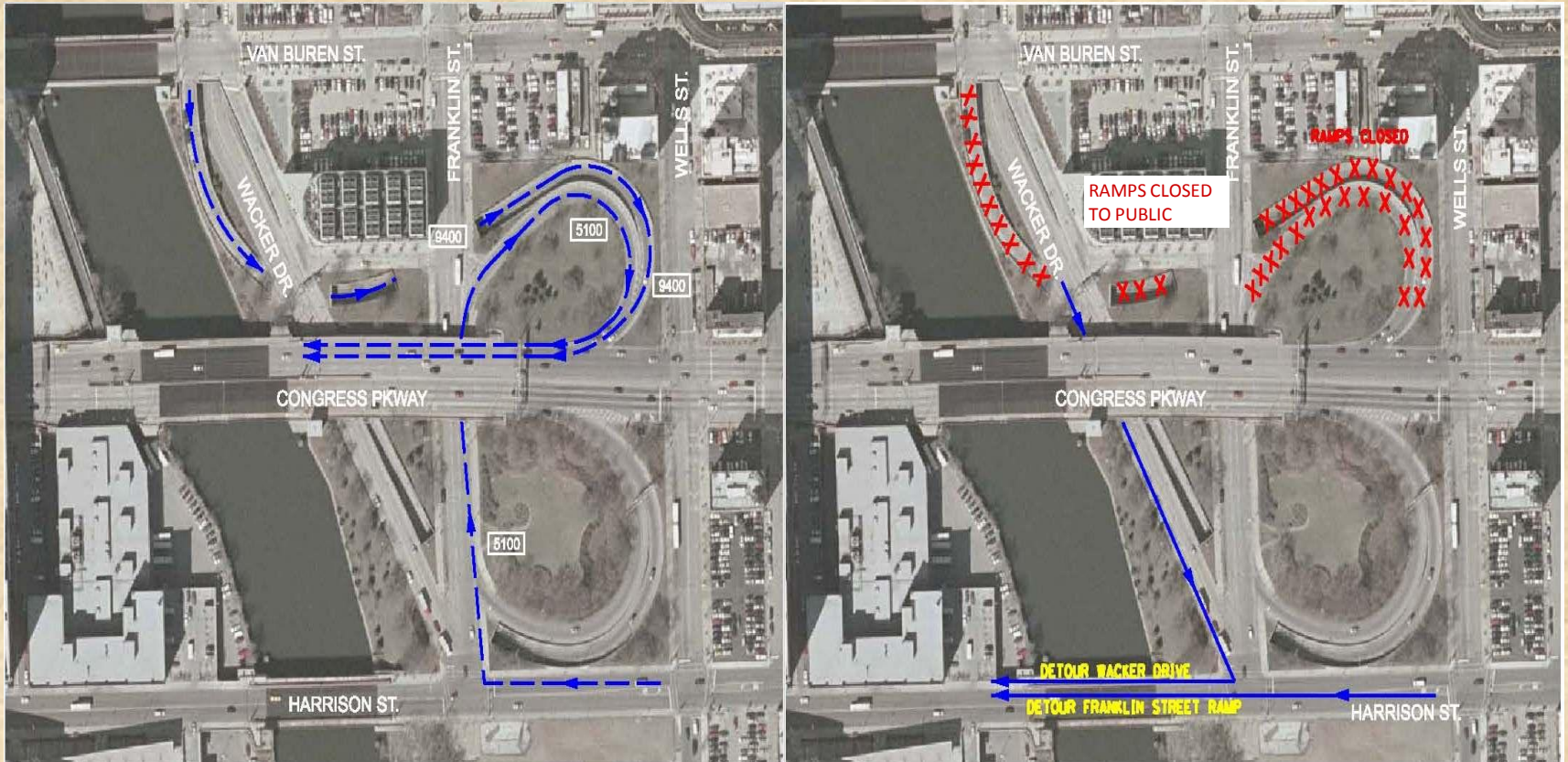
- ① Michigan Ave. – Adams St. – Ogden Ave. – Van Buren St. – I-290 WB
- ② Michigan Ave. – Roosevelt Rd. – Sacramento Blvd. – I-290 WB

Alternate Routes Stage I & II Inbound



- ① I-290 EB - Sacramento Blvd. – Warren/Washington Blvd – Michigan Ave.
- ② I-290 EB - Sacramento Blvd. – Roosevelt Rd. – Michigan Ave.
- ③ I-290 EB – Canal St. ramp – Harrison St. – Michigan Ave. (CDOT Alt .Rte)

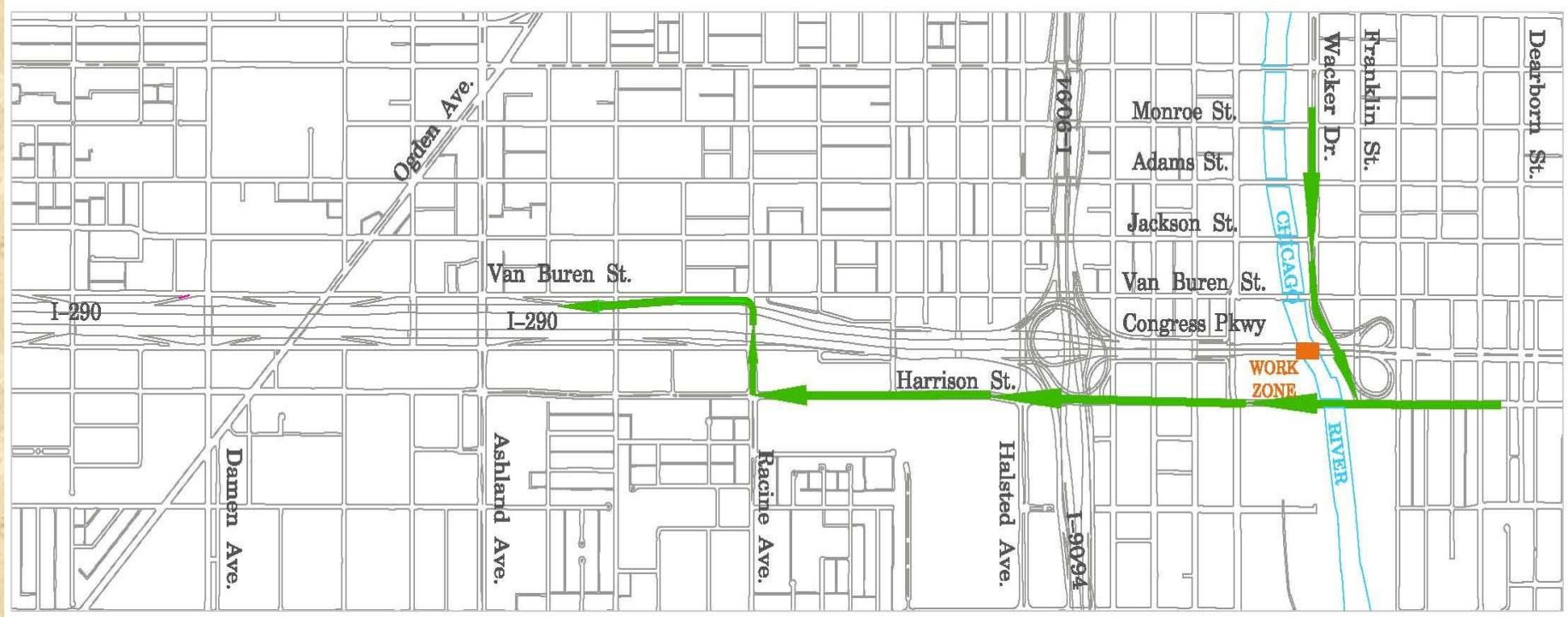
Congress Parkway - Wacker/Franklin Ramp Closures



Existing Traffic Pattern to Existing Wacker/Fran Ramp Closures & Harrison Street Detour Route

Detour Routes

Wacker Drive/Franklin Street Ramp Closures



SB Lower Wacker to Congress Pkwy/I-290 Detour

- Lower Wacker Drive – Harrison Street to Racine Avenue to I-290

Franklin Street (from Harrison Street) to Congress Pkwy/I-290 Detour

- Harrison Street – Racine Avenue – I-290

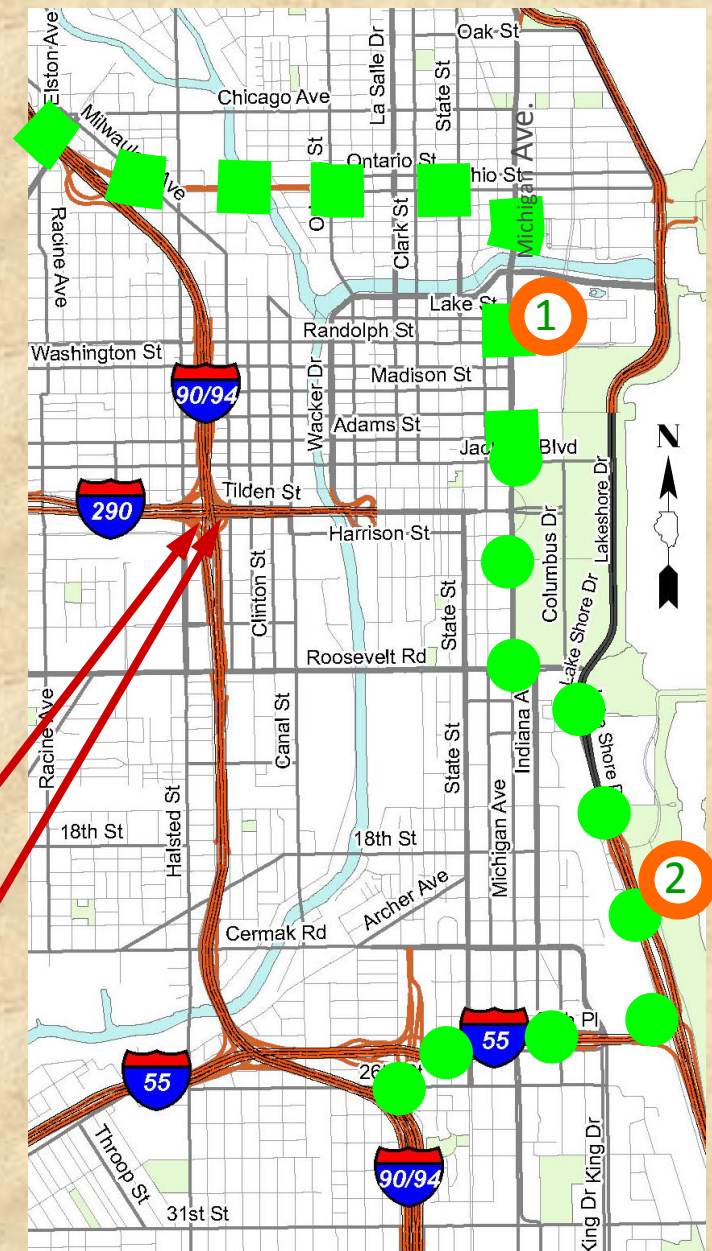
Detour Routes

I-90/94 Ramp Closures to Inbound (EB) Congress Pkwy

- ① I-90/94 EB to Congress Pkwy EB Detour:
I-90/94 – Ohio St. - Michigan Ave
- ② I-90/94 WB to Congress Pkwy EB Detour:
Michigan Ave. – Roosevelt Rd. –
Lakeshore Dr.– I-55 – I-90/94

I-90-94 EB to Congress
Pkw EB ramp Closed

I-90-94 WB to Congress
Pkw EB ramp Closed



● ● ● Detour Routes

Emergency Pull-Outs

Emergency Pull-Out Sites

- East of river – within TCP delineation/buffer area and/or along city streets
- West of river to post office – within existing emergency turn-outs
- Under post office – within closed portal or striped out area under post office, out of service lanes. Space may be better suited for ETP staging area.
- West of post office – within traffic control buffer area or along widened shoulders

